

Fig. 1

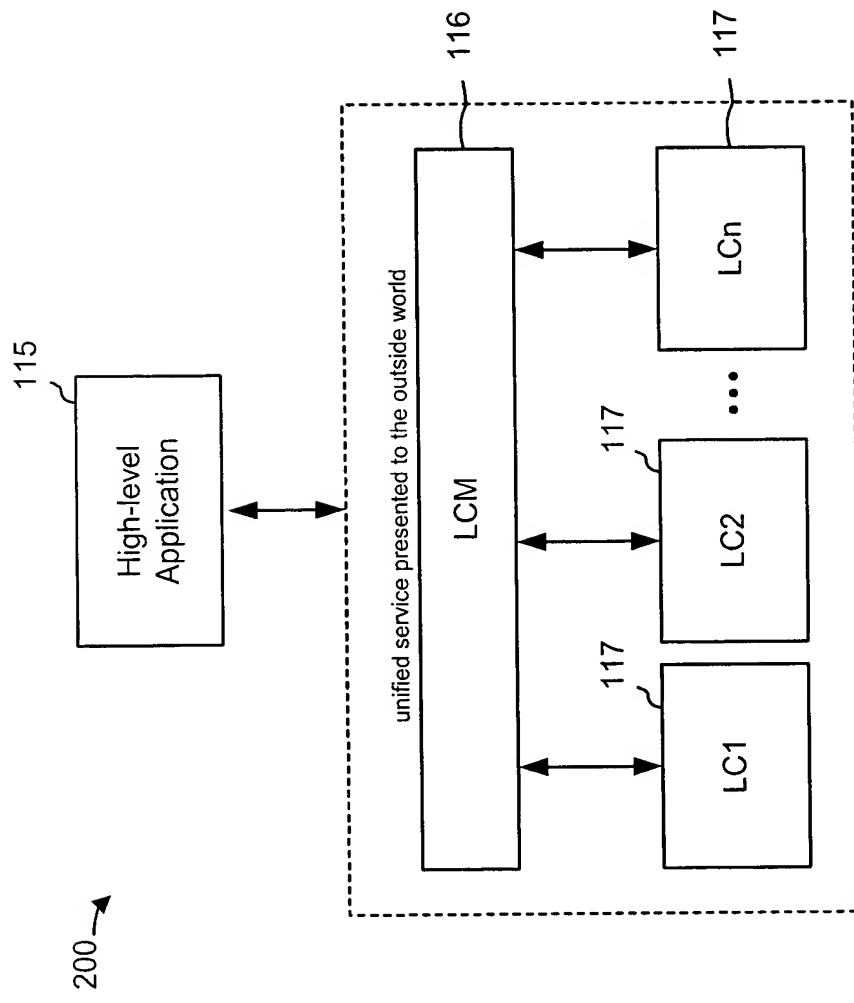


Fig. 2

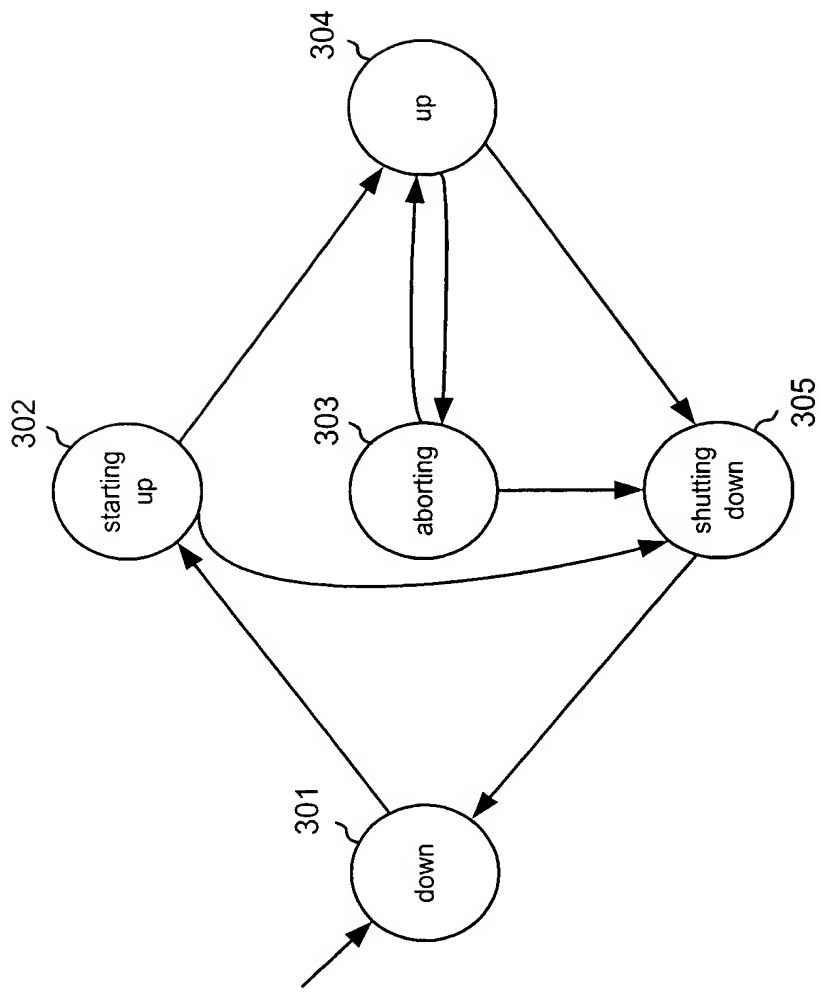


Fig. 3

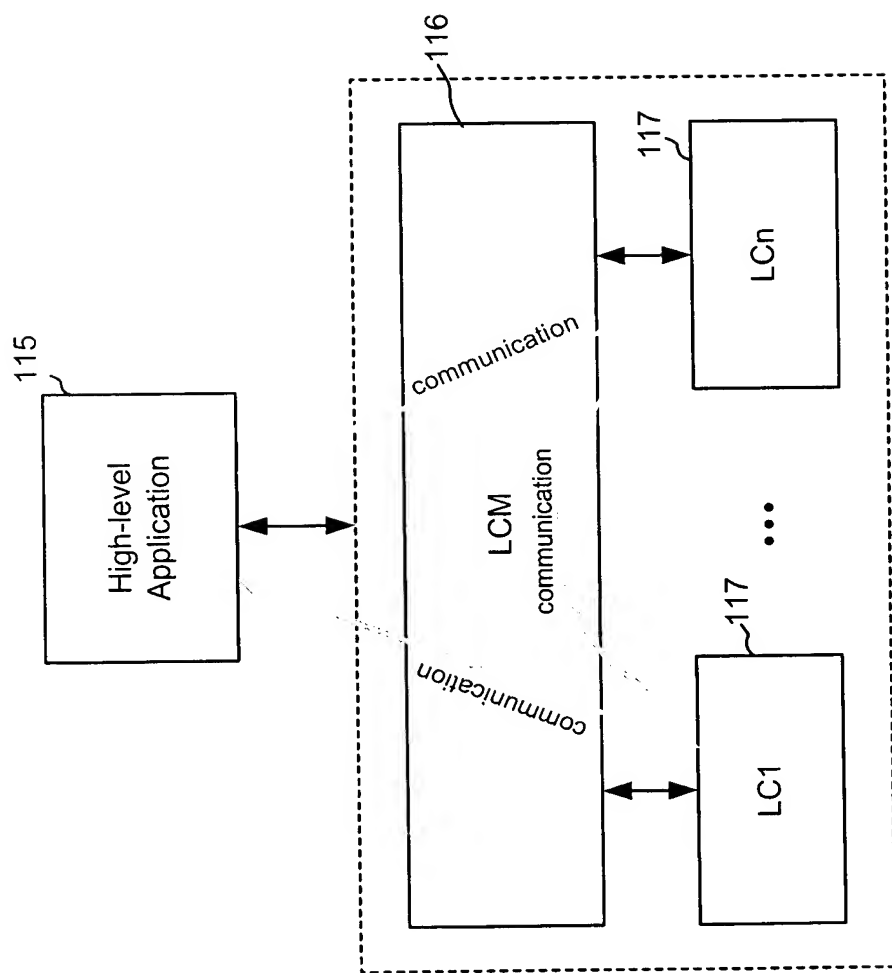


Fig. 4

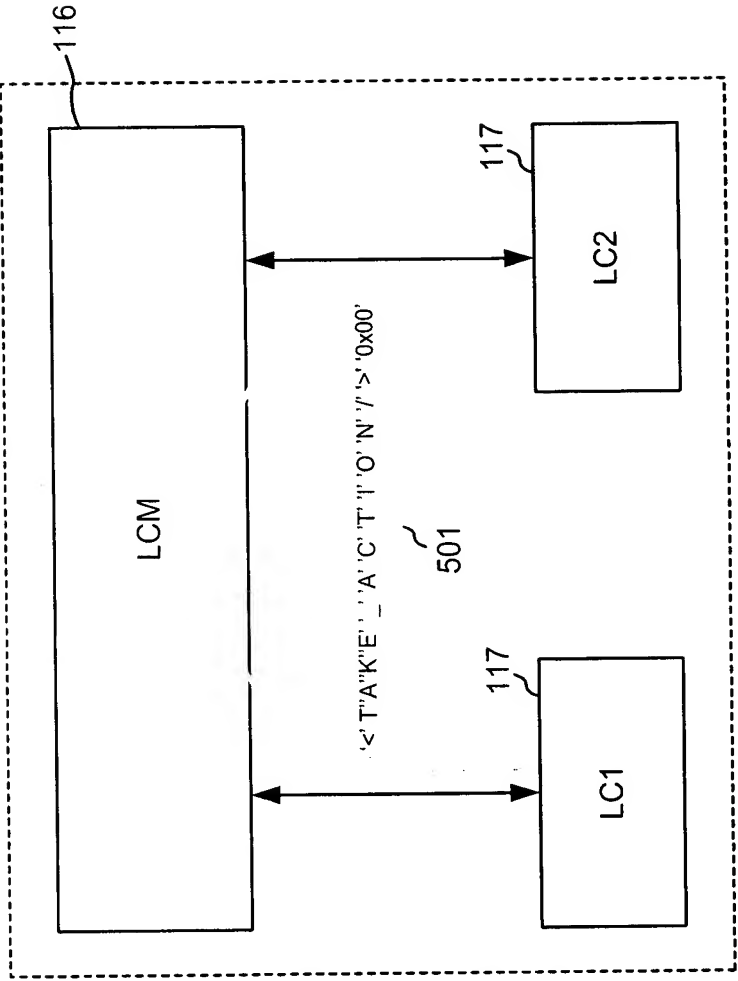


Fig. 5

```

600  <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
601  ~ <DAD name="Audio Indexer">
602  {
    <RUNTIME>
    <SYSTEM auto-start="yes"/>
    <CONNECTIONS/>
    </RUNTIME>

    <SYSTEM_SPECIFICATION>
    <CONNECTION_LISTENERS>
    <CONNECTION_LISTENER name="RAMP_MESSAGE" port="5559"/>
    <CONNECTION_LISTENER name="RAMP-DATA-PRODUCER" port="5560"/>
    <CONNECTION_LISTENER name="RAMP-DATA-CONSUMER" port="5561"/>
    <CONNECTION_LISTENER name="CAMP_MESSAGE" port="5562"/>
    <CONNECTION_LISTENER name="CAMP-DATA-PRODUCER" port="5563"/>
    <CONNECTION_LISTENER name="CAMPT-DATA-CONSUMER" port="5564"/>
    </CONNECTION_LISTENERS>

    <LOGGING_TARGETS>
    <LOGGING_TARGET name="log-file" verbosity="none"/>
    <LOGGING_TARGET name="event-log" verbosity="none"/>
    <LOGGING_TARGET name="console" verbosity="detail"/>
    </LOGGING_TARGETS>

    <MESSAGES>
    <PUBLIC_IN>
    </PUBLIC_IN>

    <PUBLIC_OUT>
    <Message Name="passage" from="spk_segment" to="decode"/> ~ 604
    <Message Name="gap" from="spk_segment" to="decode"/> ~ 604
    <Message Name="word" from="nbscore" to="decode"/> ~ 604
    </PUBLIC_OUT>

    <PRIVATE>
    </PRIVATE>
    </MESSAGES>
  }
</DAD>

```

Fig. 6A

600

```
<DATA_PIPES>
  <PUBLIC_IN>
  </PUBLIC_IN>

  <PUBLIC_OUT>
  </PUBLIC_OUT>

  <PRIVATE>
    <Data_Pipe_Name="phn2seq" from="filter_component" to="speaker_seg"/>
    <Data_Pipe_Name="seg2fw" from="speaker_seg" to="decoder_fw"/>
  </PRIVATE>
</DATA_PIPES>

<REMOTE_APPLICATIONS>
  <REMOTE_APPLICATION name="feed_audio"/>
</REMOTE_APPLICATIONS>

<LANGUAGE_COMPONENTS>
  <LANGUAGE_COMPONENT name="decoder_phn" visible="yes"
    log-verbosity="detail" debug="no"
    command-line=".\\decoder.exe . . \\config\\
    decoder-phn.cfg"
    console-output-log-file="decoder-phn.log"/>
  </LANGUAGE_COMPONENTS>
</SYSTEM_SPECIFICATION>
</DAD>
```

Fig. 6B

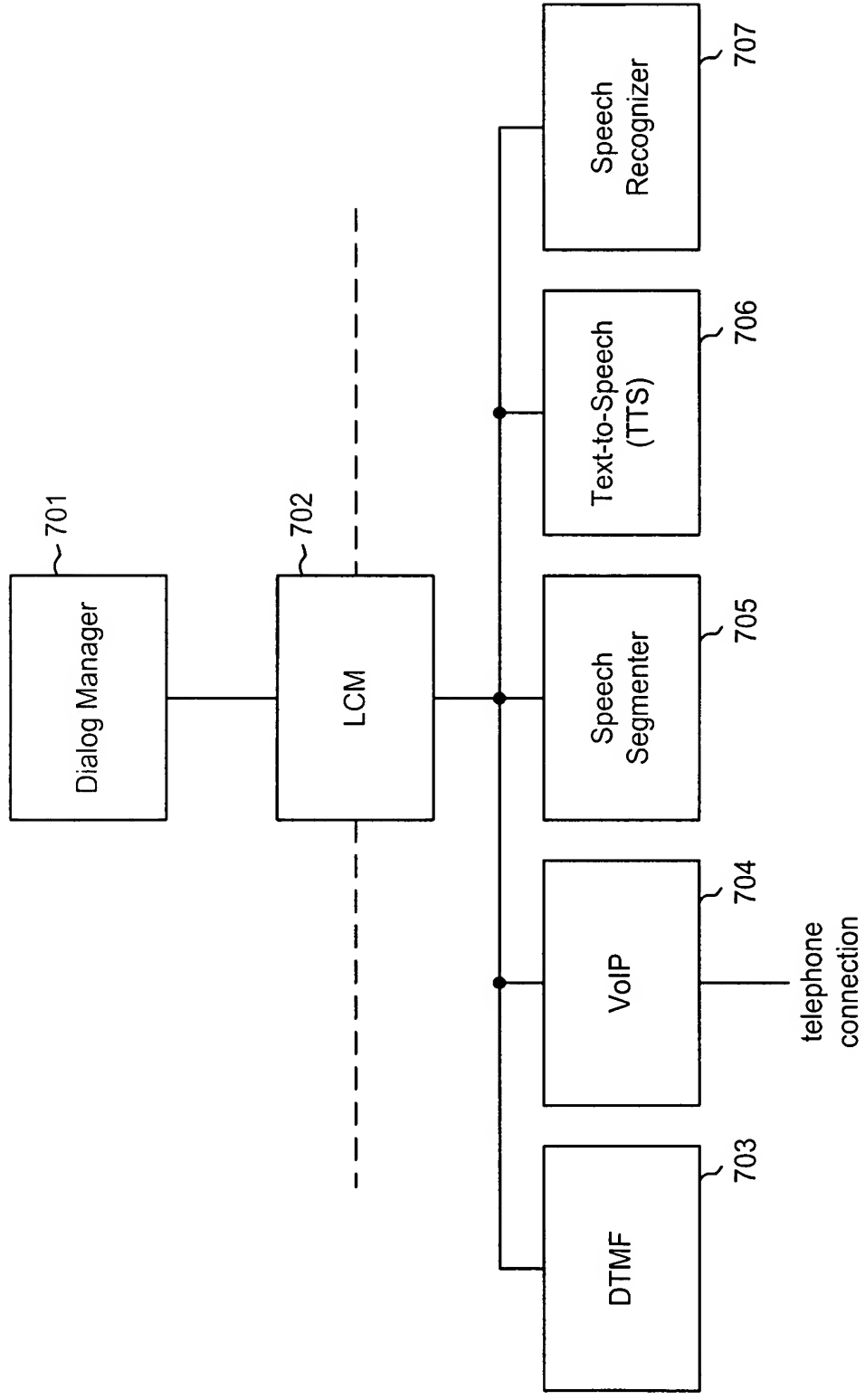


Fig. 7